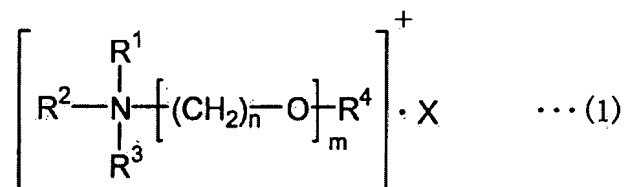


AMENDMENTS TO THE CLAIMS

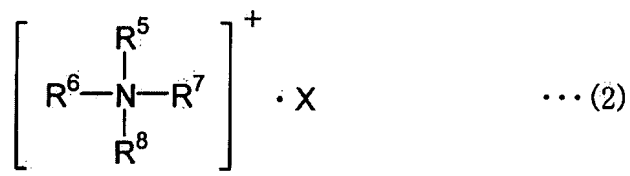
1. (Currently Amended) A polymer electrolyte-forming composition characterized by comprising:

(A) a quaternary ammonium salt of general formula (1) below



wherein R^1 to R^3 are each independently an alkyl group of 1 to 5 carbons or a substituent having a reactive unsaturated bond and any two from among R^1 to R^3 may together form a ring, R^4 is methyl, ethyl or a substituent having a reactive unsaturated bond, with the proviso that at least one of R^1 to R^4 is a substituent having a reactive unsaturated bond, X is a monovalent anion, the letter m is an integer from 1 to 8, and the letter n is an integer from 1 to 4; and

(B) an ionic liquid that is a quaternary ammonium salt of general formula (2) below

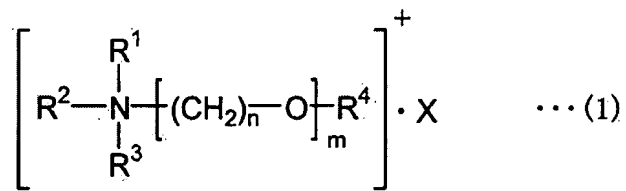


wherein R^5 to R^8 are each independently an alkyl of 1 to 5 carbons or an alkoxyalkyl group of the formula $R'-O-(CH_2)_n-$ (R' being methyl or ethyl, and the letter n being an integer from 1 to 4) and any two from among R^5 , R^6 , R^7 and R^8 may together form a ring, with the proviso that at least one of R^5 to R^8 is an alkoxyalkyl group of the above formula, and X is a monovalent anion.

2. (Canceled).

3. (Currently Amended) ~~The polymer electrolyte-forming composition of claim 1 or 2 which is characterized in that~~ A polymer electrolyte-forming composition characterized by comprising:

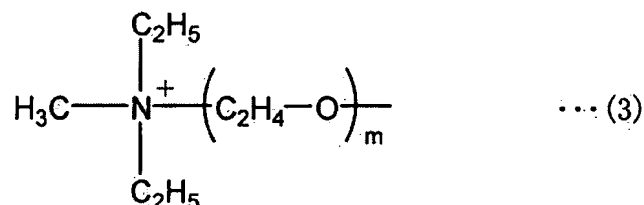
(A) a quaternary ammonium salt of general formula (1) below



wherein R^1 to R^3 are each independently an alkyl group of 1 to 5 carbons or a substituent having a reactive unsaturated bond and any two from among R^1 to R^3 may together form a ring, R^4 is methyl, ethyl or a substituent having a reactive unsaturated bond, with the proviso that at least one of R^1 to R^4 is a substituent having a reactive unsaturated bond, X is a monovalent anion, the letter m is an integer from 1 to 8, and the letter n is an integer from 1 to 4; and

(B) an ionic liquid;

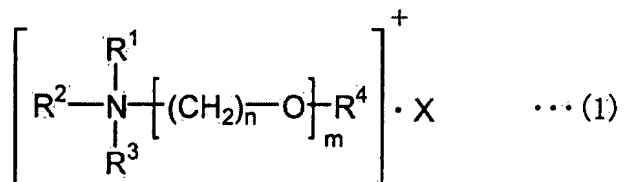
wherein the quaternary ammonium salt (A) and/or the ionic liquid (B) has a partial structure of formula (3) below



wherein the letter m is an integer from 1 to 8.

4. (Currently Amended) A polymer electrolyte-forming composition characterized by comprising:

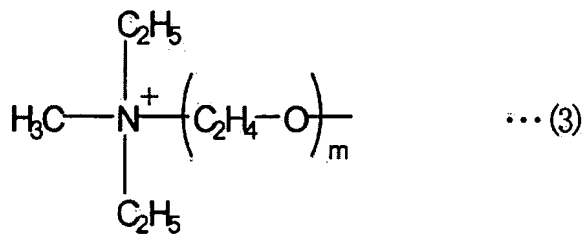
(A') a quaternary ammonium salt which has general formula (1) below and has the properties of an ionic liquid



wherein R^1 to R^3 are each independently an alkyl group of 1 to 5 carbons or a substituent having a reactive unsaturated bond and any two from among R^1 to R^3 may together form a ring,

R⁴ is methyl, ethyl or a substituent having a reactive unsaturated bond, with the proviso that at least one of R¹ to R⁴ is a substituent having a reactive unsaturated bond, X is a monovalent anion, the letter m is an integer from 1 to 8, and the letter n is an integer from 1 to 4,

and (A') has a partial structure of formula (3) below

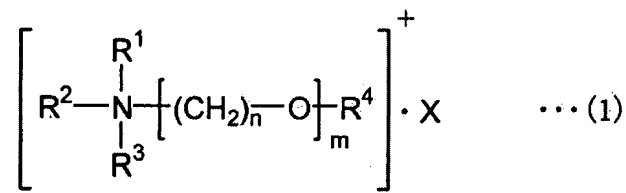


wherein the letter m is an integer from 1 to 8.

5. (Canceled)
6. (Previously Presented) The polymer electrolyte-forming composition of claim 1, wherein X is at least one selected from among BF₄⁻, PF₆⁻, (CF₃SO₂)₂N⁻, CF₃SO₃⁻ and CF₃CO₂⁻.
7. (Previously Presented) The polymer electrolyte-forming composition of claim 1, further comprising (C) a reactive double bond-bearing compound.
8. (Previously Presented) The polymer electrolyte-forming composition of claim 1, further comprising (D) an ion-conductive salt.
9. (Previously Presented) The polymer electrolyte-forming composition of claim 1, further comprising (E) a straight-chain or branched linear polymeric compound.
10. (Previously Presented) A polymer electrolyte which is characterized in that it can be obtained by reacting the polymer electrolyte-forming composition according to claim 1.
11. (Currently amended) An electrical double-layer capacitor comprising a pair of polarizable electrodes, a separator between the polarizable electrodes, and an electrolyte;

which electrical double-layer capacitor is characterized in that the electrolyte is a polymer electrolyte ~~according to claim 10~~ obtained by reacting a polymer electrolyte-forming composition, wherein the polymer electrolyte-forming composition comprises:

(A) a quaternary ammonium salt of general formula (1) below



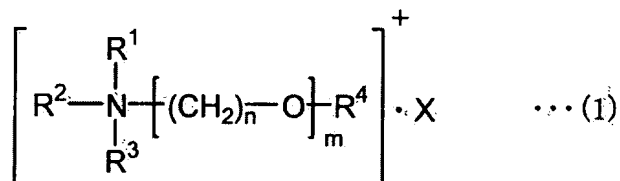
wherein R¹ to R³ are each independently an alkyl group of 1 to 5 carbons or a substituent having a reactive unsaturated bond and any two from among R¹ to R³ may together form a ring, R⁴ is methyl, ethyl or a substituent having a reactive unsaturated bond, with the proviso that at least one of R¹ to R⁴ is a substituent having a reactive unsaturated bond, X is a monovalent anion, the letter m is an integer from 1 to 8, and the letter n is an integer from 1 to 4; and

(B) an ionic liquid.

12. (New) A nonaqueous electrolyte secondary cell comprising a positive electrode which contains a lithium-containing compound oxide, a negative electrode which contains a carbonaceous material capable of lithium ion insertion and extraction or contains metallic lithium, a separator between the positive and negative electrodes, and an electrolyte;

which nonaqueous electrolyte secondary cell is characterized in that the electrolyte is a polymer electrolyte obtained by reacting a polymer electrolyte-forming composition, wherein the polymer electrolyte-forming composition comprises:

(A) a quaternary ammonium salt of general formula (1) below



wherein R¹ to R³ are each independently an alkyl group of 1 to 5 carbons or a substituent having a reactive unsaturated bond and any two from among R¹ to R³ may together form a ring,

R⁴ is methyl, ethyl or a substituent having a reactive unsaturated bond, with the proviso that at least one of R¹ to R⁴ is a substituent having a reactive unsaturated bond, X is a monovalent anion, the letter m is an integer from 1 to 8, and the letter n is an integer from 1 to 4; and

(B) an ionic liquid.

13. (New) The polymer electrolyte-forming composition of claim 3, wherein X is at least one selected from among BF₄⁻, PF₆⁻, (CF₃SO₂)₂N⁻, CF₃SO₃⁻ and CF₃CO₂⁻.

14. (New) The polymer electrolyte-forming composition of claim 3, further comprising (C) a reactive double bond-bearing compound.

15. (New) The polymer electrolyte-forming composition of claim 3, further comprising (D) an ion-conductive salt.

16. (New) The polymer electrolyte-forming composition of claim 3, further comprising (E) a straight-chain or branched linear polymeric compound.

17. (New) A polymer electrolyte which is characterized in that it can be obtained by reacting the polymer electrolyte-forming composition according to claim 3.